Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/13/2019 11:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125943	0	1.33	126030	1.34
Blue	F	SSC	125000	131662	5	1.73	132498	1.76
Blue	E	FITC	16122	16194	0	2.77	351	19.34
Blue	D	PE	29316	30017	2	1.95	654	14.55
Blue	B	PerCP-Cy5-5	42590	43808	2	3.58	1179	19.90
Blue	A	PE-Cy7	33146	34514	4	6.07	657	40.34
Red	C	APC	45473	45257	-1	2.40	1600	11.89
Red	A	APC-Cy7	31961	31231	-3	2.31	825	12.07
Violet	B	V450	7914	8428	6	5.25	466	13.64
Violet	A	V500	29769	32306	8	5.14	747	11.11

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21590	3.20	605	5	N/A	N/A	Pass
Blue	F	SSC	59925	1.23	549	11	N/A	N/A	Pass
Blue	E	FITC	64	63.54	539	2	0.0224	194	Pass
Blue	D	PE	137	49.42	542	5	0.1719	297	Pass
Blue	B	PerCP-Cy5-5	217	49.07	645	7	0.0095	70	Pass
Blue	A	PE-Cy7	123	98.84	699	8	0.0112	15	Pass
Red	C	APC	380	24.79	583	4	0.0255	150	Pass
Red	A	APC-Cy7	182	28.29	559	3	0.0053	676	Pass
Violet	B	V450	71	61.61	475	15	0.0543	2466	Pass
Violet	A	V500	112	31.86	487	15	0.0210	506	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.23	-31.49	0.93
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.53
Red	16.48	13.60 - 20.40	N/A	N/A	28.90	29.61	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 9618

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments